

LEGEND

Primary Control Point
Coordinated Survey Points
Uncoordinated Survey Points
Dredging Ranges
River Mileage from Mouth
Flow Arrows
Harbor Lines
State Boundary

Benchmarks
Gages
Staff
Recording
River
Tidal
Aids to Navigation

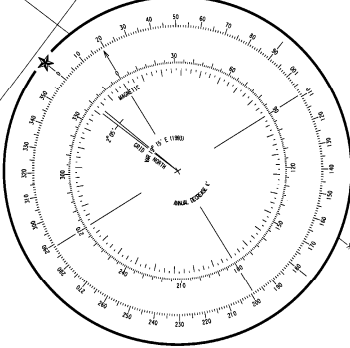
Lighthouses
Lights
Lighted Buoys
Lighted Daymarks
Daybeacons
Seasonal Lights and Lighted Dredging Ranges

NOTES

Control is by USACE and NOS-CBGS.
Coordinates are based on the Lambert Projection for Oregon, North Zone (NAD 27).
Datum is Columbia River Datum (CRD) is 0.15 feet below National Geodetic Vertical Datum at Columbia River Mile 33.7, 1947 adjustment.
Soundings are shown in feet and indicate depths below CRD.
Elevations are shown thus: +2, indicating height in feet above CRD.
The CRD plane is shown thus:
The project depth curve is shown thus:
Reference is Navigation Chart No. 18523.
River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basin Commission, July 1972.

The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating the general condition existing at that time.

■ CONDITION □ PREDREDGE □ POSTDREDGE



COLUMBIA AND LOWER WILLAMETTE RIVERS
BELOW VANCOUVER, WASH. AND PORTLAND, OREG.
COLUMBIA RIVER
SKAMOKAWA BAR
24 JANUARY 2001
U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION
APPROVED

500 0 1000 1500 2000
SCALE IN FEET

SUBMITTED
CHIEF, HYDROGRAPHIC SURVEYS
RECOMMENDED
CHIEF, WATERWAYS MAINTENANCE SECTION
SURVEYED: MWF PLOTTED: R/W CHECKED: P/B

PROJECT MANAGER,
CHANNELS AND HARBORS PROJECT
APPROVED

CL-33-290